

# Notice of Allowability

Application No.

09/669,680

Examiner

Kyle R. Stork

Applicant(s)

SPANGLER, WILLIAM SCOTT

Art Unit

2178

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief filed 19 November 2007.
2. ☒ The allowed claim(s) is/are 8, 11-15, 17-23, 26-29 (renumbered 1-17).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 2008 0114
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Pam Riley on January 7, 2008.

The application has been amended as follows (NOTE: only amended claims are listed):

8. A system for clustering documents in datasets comprising:

- a storage having a first dataset and a second dataset;
- a cluster generator operative to cluster first documents in said first dataset and produce first document classes;
- a centroid seed generator operative to generate centroid seeds based on said first document classes;
- a dictionary generator adapted to generate a first dictionary of most common words in said first dataset; and
- a vector space model generator adapted to generate a first vector space model by counting, for each word in said first dictionary, a number of said first documents in which said word occurs,

wherein said cluster generator clusters said documents in said first dataset based on said first vector space model],

wherein said cluster generator clusters second documents in said second dataset using said centroid seeds, such that said second dataset has a similar based on said centroid seeds, clustering to that of said first dataset, and

wherein said second dataset comprises a new, but related, based on said centroid seeds, dataset different than said first dataset.

11. The system in claim [10] 8, wherein said vector space model generator generates a second vector space model by counting, for each word in said first dictionary, a number of said second documents in which said word occurs.

17. The method in claim [16] 15, wherein said generating of said second vector space model comprises counting, for each word in said first dictionary, a number of said documents in which said word occurs.

26. A program device readable by machine, tangibly embodying a program of instructions executable by the machine to perform said method in claim [25] 24, said method further comprising generating a second vector space model by counting, for each word in said first dictionary, a number of said second documents in which said word occurs.

In the Specification, page 8, lines 15-17:

Then, the vector space model generator 210 counts, for each word in the first dictionary D1 206, the number of documents in which the word in question appears, to produce a T1-D1 vector space [mode] model 202.

2. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose clustering a second dataset of documents based upon centroid seeds generated based upon a first dataset of documents.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyle R. Stork whose telephone number is (571) 272-4130. The examiner can normally be reached on Monday-Friday (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

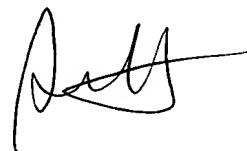
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Kyle R Stork  
Patent Examiner  
Art Unit 2178

krs



STEPHEN HONG  
SUPERVISORY PATENT EXAMINER